### GOVERNMENT OF INDIA MINISTRY OF WATER RESOURCES, RIVER DEVELOPMENT & GANGA REJUVENATION

# LOK SABHA

## UNSTARRED QUESTION NO. 3850 ANSWERED ON 08.12.2016

#### ASSESSMENT OF GROUND WATER RESOURCES

3850. SHRI SUBHASH PATEL SHRI DEVAJIBHAI G. FATEPARA

Will the Minister of WATER RESOURCES, RIVER DEVELOPMENT AND GANGA REJUVENATION be pleased to state:

- (a) whether the Central Ground Water Board (CGWB) has made any assessment of the ground water resources in the country including Madhya Pradesh and Gujarat, if so, the details thereof, State-wise;
- (b) whether the Government has formulated any special programme for the said States after the assessment, if so, the details thereof; and
- (c) the steps taken/to be taken by the Government to fulfil the future ground water need in these States?

#### **ANSWER**

THE MINISTER OF STATE FOR WATER RESOURCES, RIVER DEVELOPMENT AND GANGA REJUVENATION

(DR. SANJEEV KUMAR BALYAN)

- (a) Central Ground Water Board (CGWB) carries out periodic assessment of replenishable ground water resources in the Country jointly with State Governments including Madhya Pradesh and Gujarat. State-wise details are given at **Annexure.**
- (b) & (c) The mechanisms put in place and the measures taken by the Ministry of Water Resources, RD & GR to control depletion of ground water level and outcomes thereof are given below:
- The National Water Policy (2012) formulated by Ministry of Water Resources, RD & GR, interalia, advocates conservation, promotion and protection of water and highlights the need for augmenting the availability of water through rain water harvesting, direct use of rainfall and other management measures. The National Water Policy (2012) has been forwarded to all State Governments/ UTs and concerned Ministries/ Departments of Central Government for adoption.
- CGWB has also prepared a conceptual document entitled "Master Plan for Artificial Recharge to Ground Water in India" during 2013, involving ground water scientists/experts. The Master Plan envisages construction of 1.11 crore rain water harvesting and artificial recharge structures in the

Country at an estimated cost of Rs.79,178 crores to harness 85 BCM (Billion Cubic Metre) of water. The augmented ground water resources will enhance the availability of water for drinking, domestic, industrial and irrigation purpose. The Master Plan has been circulated to all State Governments for implementation.

 This Ministry works in close coordination with Ministry of Rural Development for groundwater recharge. The details of completed public works related to Natural Resources Management by the MoRD for the States of Gujarat and Madhya Pradesh are as under:

Sl. No.	State	FY 2014-15		FY 2015-16		2016-17 as on 25/11/2016	
		Total Works	Expenditure (Rs. In crore)	Total Works	Expenditure (Rs. In crore)	Total Works	Expenditure (Rs. In crore)
1	Gujarat	7024	115.85	13752	219.96	17502	277.98
2	Madhya Pradesh	138916	719.75	63518	630.30	79270	772.20

- The Ministry of Drinking Water & Sanitation has suggested all States to adopt water conservation measures like roof top rainwater harvesting, erecting sustainability structures for water conservation etc. For creating such sustainability structures, 10 % of National Rural Drinking Water Programme (NRDWP) funds are provided to the States.
- Department of Land Resources is currently implementing 8214 watershed development projects in 28 States covering an area of about 39.07 million ha. under the Watershed Development Component (WDC) of the Pradhan Mantri Krishi Sinchayee Yojana (PMKSY) principally for development of rainfed portions of net cultivated area and culturable wastelands. The major activities taken up under the WDC-PMKSY, inter-alia, include ridge area treatment, drainage line afforestation, soil and moisture conservation, rain water harvesting, horticulture, and pasture development etc. 610 projects were sanctioned in Gujarat and 517 in Madhya Pradesh.
- Central Ground Water Authority (CGWA) has been constituted under "The Environment (Protection) Act, 1986" for the purpose of regulation and control of ground water development and management in the Country. So far, CGWA has notified 162 areas in the Country for the purpose of regulation of ground water, including four and seven in Gujarat and Madhya Pradesh respectively. Under the CGWA guidelines, in notified areas, no permission is accorded to extract ground water through any energized means for any purpose other than drinking water. However, for non-notified areas, ground water withdrawal by industries is regulated by means of guidelines/criteria as specified as CGWA.

- CGWA has issued advisories to States and UTs to take measures to promote/adopt artificial
  recharge to ground water / rain water harvesting. 30 States/UTs, including Gujarat and Madhya
  Pradesh, have made rain water harvesting mandatory by enacting laws or by formulating rules &
  regulations or by including provisions in Building bye-laws or through suitable Government
  Orders.
- This Ministry has circulated a Model Bill to all the States/UTs to enable them to enact suitable ground water legislation for its regulation and development which includes provision of rain water harvesting. Gujarat and Madhya Pradesh have initiated process to enact the Model Bill.
- CGWB has taken up Aquifer Mapping and Management programme during XII Plan, under the scheme of Ground Water Management and Regulation. The Aquifer Mapping is aimed to delineate aquifer disposition and their characterization for preparation of aquifer/area specific ground water management plans, with community participation. As on 30.6.2016, an area of 31,522 sq.km and 9,268 sq km has been covered in Gujarat and Madhya Pradesh respectively.
- CGWB had taken up Demonstrative Rain Water Harvesting and Artificial Recharge projects in 22 States of the Country, under Central Sector Scheme "Ground Water Management & Regulation". Under the scheme, 1661 demonstrative recharge structures were approved for construction in various States/UTs including 116 and 51 in Gujarat and Madhya Pradesh respectively. Out of these 116 and 51 structures, 100 and 43 structures were completed in Gujarat and Madhya Pradesh.
- MoWR, RD & GR has also launched 'Jal Kranti Abhiyan' (2015-16 to 2017-18) in order to consolidate water conservation and management in the Country through a holistic and integrated approach involving all stakeholders, making it a mass movement.
- CGWB has been organizing mass awareness programmes in the Country to promote rain water harvesting and artificial recharge to ground water; more than 17 lakh children participated in a nation-wide painting competition in the last year to promote conservation of water.

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Annexure referred in reply to Lok Sabha Unstarred Q.NO. 3850 for reply on 08.12.2016 regarding "Assessment of Ground Water Resources"

### STATE-WISE GROUND WATER RESOURCES AVAILABILITY, UTILIZATION AND STAGE OF DEVELOPMENT INDIA

(As on 2011)

No   Territories   Replenishable   Ground   Water   Resource   Marter   Non-monseason   States				(in Billion Cubic Metre(bcm))					
Caronic   Caro	Sl.	States / Union	Annual	Natural	tural Net Annual Annual Ground Water Draft				
Nates   Nate	No	Territories	Replenishabl	Discharg	Ground	Irrigation	Domestic	Total	Ground
States			e Ground	e during	Water		and		Water
States			Water	non-	Availabilit		Industria		Developmen
States			Resource	monsoon	y		l uses		t
Andhra Pradesh   20.7892   1.9064   18.8828   6.2694   0.7381   7.0075   37				season					(%)
Telangana		States							
Arunachal Pradesh			20.7892	1.9064	18.8828	6.2694	0.7381		
A   Assam   28.5200   2.7300   25.7900   2.8600   0.6400   3.4900   14	2	Telangana	15.098	1.4138	13.6844	6.9103	0.5919	7.502	55
5         Bishar         29.3350         2.4705         26.8645         10.2550         1.6960         11.9509         44           6         Chhattisgarh         12.4200         0.7900         11.6300         3.4300         0.6200         4.0500         35           7         Delhi         0.3105         0.0234         0.2871         0.1402         0.2519         0.3921         137           8         Goa         0.2424         0.0970         0.1454         0.0101         0.0311         0.0411         28           9         Gujarat         18.5686         0.9832         17.5854         10.7477         1.1074         11.8551         67           10         Haryana         10.7800         0.9900         9.7900         12.2500         0.7104         11.8551         67           11         Himachal Pradesh         0.5590         0.0280         0.5511         0.2506         0.1272         0.3778         71           12         Jammu & Kashmir         4.2512         0.4251         3.8261         0.1988         0.6077         0.8065         21           13         Jharkhand         6.3100         0.5500         5.7600         1.3100         0.5500         1.8600 </td <td>3</td> <td>Arunachal Pradesh</td> <td>4.5100</td> <td>0.4500</td> <td>4.0600</td> <td></td> <td>0.0010</td> <td>0.0030</td> <td>0.08</td>	3	Arunachal Pradesh	4.5100	0.4500	4.0600		0.0010	0.0030	0.08
6         Chhattisgarh         12,4200         0.7900         11,6300         3,4300         0.6200         4,0500         35           7         Delhi         0,3105         0.0234         0,2871         0,1402         0.2519         0,3922         137           8         Goa         0,2424         0,0970         0,1454         0,1010         0,0311         0,0411         28           9         Gujarat         18,5686         0,9832         17,5854         10,7477         1,1074         11,8551         67           10         Haryana         10,7800         0,9900         9,7900         12,3500         0,7100         13,05500         131           11         Himachal Pradesh         0,5590         0,0280         0,5311         0,2506         0,1272         0,3778         71           12         Jammu & Kashmir         4,2512         0,4251         3,8261         0,1988         0,6077         0,8065         21           13         Jharkhand         6,3100         0,5500         5,7600         1,3100         0,5500         1,8600         32           14         Karnataka         17,0266         2,2154         14,8112         8,5916         0,8198         9,41	4	Assam	28.5200	2.7300	25.7900	2.8600	0.6400	3.4900	14
Toelhi	5	Bihar	29.3350	2.4705	26.8645	10.2550	1.6960	11.9509	44
8         Goa         0.2424         0.0970         0.1454         0.0101         0.0311         0.0411         28           9         Gujarat         18.5686         0.9832         17.5854         10.7477         1.1074         11.8551         67           10         Haryana         10.7800         0.9900         9.7900         12.3500         0.7100         13.0500         133           11         Himachal Pradesh         0.5590         0.0280         0.5311         0.2506         0.1272         0.3778         71           12         Jammu & Kashmir         4.2512         0.4251         3.8261         0.1988         0.6077         0.8065         21           13         Jharkhand         6.3100         0.5500         5.7600         1.3100         0.5500         1.8600         32           14         Karnataka         17.0266         2.2154         14.8112         8.5916         0.8198         9.4114         64           15         Kerala         6.6864         0.6134         6.0730         1.3046         1.5310         2.8355         47           16         Madhya Pradesh         35.0406         1.7520         33.2886         17.4809         1.3522	6	Chhattisgarh	12.4200	0.7900	11.6300	3.4300	0.6200	4.0500	35
9         Gujarat         18.5686         0.9832         17.5854         10.7477         1.1074         11.8551         67           10         Haryana         10.7800         0.9900         9.7900         12.3500         0.7100         13.0500         133           11         Himachal Pradesh         0.5590         0.0280         0.5311         0.2506         0.1272         0.3778         71           12         Jammu & Kashmir         4.2512         0.4251         3.8261         0.1988         0.6077         0.8065         21           13         Jharkhand         6.3100         0.5500         5.7600         1.3100         0.5500         1.8600         32           14         Karnataka         17.0266         2.2154         14.8112         8.5916         0.8198         9.4114         64           15         Kerala         6.6864         0.6134         6.0730         1.3046         1.5310         2.8355         47           16         Madhya Pradesh         35.0406         1.7520         33.2886         17.4809         1.3527         18.8335         57           17         Maharashtra         33.9474         1.7955         32.1519         16.1460         1.0293	7	Delhi	0.3105	0.0234	0.2871	0.1402	0.2519	0.3922	137
Haryana	8	Goa	0.2424	0.0970	0.1454	0.0101	0.0311	0.0411	28
Himachal Pradesh	9	Gujarat	18.5686	0.9832	17.5854	10.7477	1.1074	11.8551	67
12   Jammu & Kashmir	10	Haryana	10.7800	0.9900	9.7900	12.3500	0.7100	13.0500	133
13   Jharkhand	11	Himachal Pradesh	0.5590	0.0280	0.5311	0.2506	0.1272	0.3778	71
14   Karnataka	12	Jammu & Kashmir	4.2512	0.4251	3.8261	0.1988	0.6077	0.8065	21
15   Kerala	13	Jharkhand	6.3100	0.5500	5.7600	1.3100	0.5500	1.8600	32
16   Madhya Pradesh   35.0406   1.7520   33.2886   17.4809   1.3527   18.8335   57   17   Maharashtra   33.9474   1.7955   32.1519   16.1460   1.0293   17.1754   53   18   Manipur   0.4401   0.0440   0.3961   0.0033   0.0007   0.0040   1.02   19   Meghalaya   1.7805   0.1780   1.6024   0.0015   0.0002   0.0017   0.08   1.6024   0.0015   0.0002   0.0017   0.08   1.6024   0.0015   0.0002   0.0017   0.08   0.0008   0.0008   0.0000   0.0010   0.0010   3.52   10   0.0008   0.6159   0.0616   0.5543   0.0000   0.0340   0.0340   0.0340   0.134	14	Karnataka	17.0266	2.2154	14.8112	8.5916	0.8198	9.4114	64
17   Maharashtra   33.9474   1.7955   32.1519   16.1460   1.0293   17.1754   53   18   Manipur   0.4401   0.0440   0.3961   0.0033   0.0007   0.0040   1.02   19   Meghalaya   1.7805   0.1780   1.6024   0.0015   0.0002   0.0017   0.08   20   Mizoram   0.0304   0.0030   0.0273   0.0000   0.0010   0.0010   3.52   21   Nagaland   0.6159   0.0616   0.5543   0.0000   0.0340   0.0340   6.13   22   Odisha   17.7768   1.0859   16.6909   3.8126   0.9162   4.7288   28   23   Punjab   22.5300   2.2100   20.3200   34.1700   0.7100   34.8800   172   24   Rajasthan   11.9414   1.1125   10.8290   13.1332   1.7098   14.8430   137   25   Sikkim*   -	15	Kerala	6.6864	0.6134	6.0730	1.3046	1.5310	2.8355	47
Manipur	16	Madhya Pradesh	35.0406	1.7520	33.2886	17.4809	1.3527	18.8335	57
19   Meghalaya	17	Maharashtra	33.9474	1.7955	32.1519	16.1460	1.0293	17.1754	53
20         Mizoram         0.0304         0.0030         0.0273         0.0000         0.0010         0.0010         3.52           21         Nagaland         0.6159         0.0616         0.5543         0.0000         0.0340         0.0340         6.13           22         Odisha         17.7768         1.0859         16.6909         3.8126         0.9162         4.7288         28           23         Punjab         22.5300         2.2100         20.3200         34.1700         0.7100         34.8800         172           24         Rajasthan         11.9414         1.1125         10.8290         13.1332         1.7098         14.8430         137           25         Sikkim*         -         -         0.0442         0.0027         0.0086         0.0113         26           26         Tamil Nadu         21.5326         2.1533         19.3793         13.1688         1.7638         14.9326         77           27         Tripura         2.5866         0.2286         2.3580         0.0932         0.0694         0.1626         7           28         Uttar Pradesh         77.1900         5.5300         71.6600         48.7400         4.0400         52.7800	18	Manipur	0.4401	0.0440	0.3961	0.0033	0.0007	0.0040	1.02
21         Nagaland         0.6159         0.0616         0.5543         0.0000         0.0340         0.0340         6.13           22         Odisha         17.7768         1.0859         16.6909         3.8126         0.9162         4.7288         28           23         Punjab         22.5300         2.2100         20.3200         34.1700         0.7100         34.8800         172           24         Rajasthan         11.9414         1.1125         10.8290         13.1332         1.7098         14.8430         137           25         Sikkim*         -         -         0.0442         0.0027         0.0086         0.0113         26           26         Tamil Nadu         21.5326         2.1533         19.3793         13.1688         1.7638         14.9326         77           27         Tripura         2.5866         0.2286         2.3580         0.0932         0.0694         0.1626         7           28         Uttar Pradesh         77.1900         5.5300         71.6600         48.7400         4.0400         52.7800         74           29         Uttarakhand         2.0403         0.0449         1.9954         1.1033         0.0298         1.1331 <td>19</td> <td>Meghalaya</td> <td>1.7805</td> <td>0.1780</td> <td>1.6024</td> <td>0.0015</td> <td>0.0002</td> <td>0.0017</td> <td>0.08</td>	19	Meghalaya	1.7805	0.1780	1.6024	0.0015	0.0002	0.0017	0.08
22         Odisha         17.7768         1.0859         16.6909         3.8126         0.9162         4.7288         28           23         Punjab         22.5300         2.2100         20.3200         34.1700         0.7100         34.8800         172           24         Rajasthan         11.9414         1.1125         10.8290         13.1332         1.7098         14.8430         137           25         Sikkim*         -         -         0.0442         0.0027         0.0086         0.0113         26           26         Tamil Nadu         21.5326         2.1533         19.3793         13.1688         1.7638         14.9326         77           27         Tripura         2.5866         0.2286         2.3580         0.0932         0.0694         0.1626         7           28         Uttar Pradesh         77.1900         5.5300         71.6600         48.7400         4.0400         52.7800         74           29         Uttarakhand         2.0403         0.0449         1.9954         1.1033         0.0298         1.1331         57           30         West Bengal         29.2511         2.6688         26.5823         9.7195         0.9731         10.692	20	Mizoram	0.0304	0.0030	0.0273	0.0000	0.0010	0.0010	3.52
23         Punjab         22.5300         2.2100         20.3200         34.1700         0.7100         34.8800         172           24         Rajasthan         11.9414         1.1125         10.8290         13.1332         1.7098         14.8430         137           25         Sikkim*         -         -         0.0442         0.0027         0.0086         0.0113         26           26         Tamil Nadu         21.5326         2.1533         19.3793         13.1688         1.7638         14.9326         77           27         Tripura         2.5866         0.2286         2.3580         0.0932         0.0694         0.1626         7           28         Uttar Pradesh         77.1900         5.5300         71.6600         48.7400         4.0400         52.7800         74           29         Uttarakhand         2.0403         0.0449         1.9954         1.1033         0.0298         1.1331         57           30         West Bengal         29.2511         2.6688         26.5823         9.7195         0.9731         10.6926         40           Total (States)         432.11         34.55         397.60         222.21         22.66         244.85         <	21	Nagaland	0.6159	0.0616	0.5543	0.0000	0.0340	0.0340	6.13
24         Rajasthan         11.9414         1.1125         10.8290         13.1332         1.7098         14.8430         137           25         Sikkim*         -         -         0.0442         0.0027         0.0086         0.0113         26           26         Tamil Nadu         21.5326         2.1533         19.3793         13.1688         1.7638         14.9326         77           27         Tripura         2.5866         0.2286         2.3580         0.0932         0.0694         0.1626         7           28         Uttar Pradesh         77.1900         5.5300         71.6600         48.7400         4.0400         52.7800         74           29         Uttarakhand         2.0403         0.0449         1.9954         1.1033         0.0298         1.1331         57           30         West Bengal         29.2511         2.6688         26.5823         9.7195         0.9731         10.6926         40           Total (States)         432.11         34.55         397.60         222.21         22.66         244.85         62           Union Territories         1         Andaman & Nicobar         0.3080         0.0216         0.2865         0.0006         0.012	22	Odisha	17.7768	1.0859	16.6909	3.8126	0.9162	4.7288	28
24         Rajasthan         11.9414         1.1125         10.8290         13.1332         1.7098         14.8430         137           25         Sikkim*         -         -         0.0442         0.0027         0.0086         0.0113         26           26         Tamil Nadu         21.5326         2.1533         19.3793         13.1688         1.7638         14.9326         77           27         Tripura         2.5866         0.2286         2.3580         0.0932         0.0694         0.1626         7           28         Uttar Pradesh         77.1900         5.5300         71.6600         48.7400         4.0400         52.7800         74           29         Uttarakhand         2.0403         0.0449         1.9954         1.1033         0.0298         1.1331         57           30         West Bengal         29.2511         2.6688         26.5823         9.7195         0.9731         10.6926         40           Total (States)         432.11         34.55         397.60         222.21         22.66         244.85         62           Union Territories         1         Andaman & Nicobar         0.3080         0.0216         0.2865         0.0006         0.012	23	Punjab	22.5300	2.2100	20.3200	34.1700	0.7100	34.8800	172
26         Tamil Nadu         21.5326         2.1533         19.3793         13.1688         1.7638         14.9326         77           27         Tripura         2.5866         0.2286         2.3580         0.0932         0.0694         0.1626         7           28         Uttar Pradesh         77.1900         5.5300         71.6600         48.7400         4.0400         52.7800         74           29         Uttarakhand         2.0403         0.0449         1.9954         1.1033         0.0298         1.1331         57           30         West Bengal         29.2511         2.6688         26.5823         9.7195         0.9731         10.6926         40           Total (States)         432.11         34.55         397.60         222.21         22.66         244.85         62           Union Territories         1         Andaman & Nicobar         0.3080         0.0216         0.2865         0.0006         0.0121         0.0127         4.44           2         Chandigarh         0.0216         0.0022         0.0194         0.0000         0.0000         0.0000         0.0000         0.0129         22           3         Haveli         4         Daman & Diu	24	Rajasthan	11.9414	1.1125	10.8290	13.1332	1.7098		137
27         Tripura         2.5866         0.2286         2.3580         0.0932         0.0694         0.1626         7           28         Uttar Pradesh         77.1900         5.5300         71.6600         48.7400         4.0400         52.7800         74           29         Uttarakhand         2.0403         0.0449         1.9954         1.1033         0.0298         1.1331         57           30         West Bengal         29.2511         2.6688         26.5823         9.7195         0.9731         10.6926         40           Total (States)         432.11         34.55         397.60         222.21         22.66         244.85         62           Union Territories         1         Andaman & Nicobar         0.3080         0.0216         0.2865         0.0006         0.0121         0.0127         4.44           2         Chandigarh         0.0216         0.0022         0.0194         0.0000         0.0000         0.0000         0.0000         0.0129         22           3         Haveli         4         Daman & Diu         0.0181         0.0012         0.0169         0.0145         0.0019         0.0164         97           5         Lakshadweep         0.01	25	Sikkim*	-	П	0.0442	0.0027	0.0086	0.0113	26
27         Tripura         2.5866         0.2286         2.3580         0.0932         0.0694         0.1626         7           28         Uttar Pradesh         77.1900         5.5300         71.6600         48.7400         4.0400         52.7800         74           29         Uttarakhand         2.0403         0.0449         1.9954         1.1033         0.0298         1.1331         57           30         West Bengal         29.2511         2.6688         26.5823         9.7195         0.9731         10.6926         40           Total (States)         432.11         34.55         397.60         222.21         22.66         244.85         62           Union Territories         1         Andaman & Nicobar         0.3080         0.0216         0.2865         0.0006         0.0121         0.0127         4.44           2         Chandigarh         0.0216         0.0022         0.0194         0.0000         0.0000         0.0000         0.0129         22           3         Haveli         4         Daman & Diu         0.0181         0.0012         0.0169         0.0145         0.0019         0.0164         97           5         Lakshadweep         0.0105         0.00	26	Tamil Nadu	21.5326	2.1533	19.3793	13.1688	1.7638	14.9326	77
29         Uttarakhand         2.0403         0.0449         1.9954         1.1033         0.0298         1.1331         57           30         West Bengal         29.2511         2.6688         26.5823         9.7195         0.9731         10.6926         40           Total (States)         432.11         34.55         397.60         222.21         22.66         244.85         62           Union Territories         1         Andaman & Nicobar         0.3080         0.0216         0.2865         0.0006         0.0121         0.0127         4.44           2         Chandigarh         0.0216         0.0022         0.0194         0.0000         0.0000         0.0000         0.0000         0.0000         0.0129         22           3         Haveli         1         Daman & Diu         0.0181         0.0012         0.0169         0.0145         0.0019         0.0164         97           5         Lakshadweep         0.0105         0.0070         0.0035         0.0000         0.0023         0.023         0.1530         90           Total (UTs)         0.6100         0.0500         0.5600         0.1500         0.0500         0.2000         36           Grand Total <t< td=""><td>27</td><td>Tripura</td><td>2.5866</td><td>0.2286</td><td>2.3580</td><td></td><td>0.0694</td><td>0.1626</td><td>7</td></t<>	27	Tripura	2.5866	0.2286	2.3580		0.0694	0.1626	7
29         Uttarakhand         2.0403         0.0449         1.9954         1.1033         0.0298         1.1331         57           30         West Bengal         29.2511         2.6688         26.5823         9.7195         0.9731         10.6926         40           Total (States)         432.11         34.55         397.60         222.21         22.66         244.85         62           Union Territories         1         Andaman & Nicobar         0.3080         0.0216         0.2865         0.0006         0.0121         0.0127         4.44           2         Chandigarh         0.0216         0.0022         0.0194         0.0000         0.0000         0.0000         0.0000         0.0029         22           3         Haveli         1         Daman & Diu         0.0181         0.0012         0.0169         0.0145         0.0019         0.0164         97           5         Lakshadweep         0.0105         0.0070         0.0035         0.0000         0.0023         0.023         0.1530         90           Total (UTs)         0.6100         0.0500         0.5600         0.1500         0.0500         0.2000         36           Grand Total         432.7200	28						4.0400		74
30         West Bengal         29.2511         2.6688         26.5823         9.7195         0.9731         10.6926         40           Total (States)         432.11         34.55         397.60         222.21         22.66         244.85         62           Union Territories         1         Andaman & Nicobar         0.3080         0.0216         0.2865         0.0006         0.0121         0.0127         4.44           2         Chandigarh         0.0216         0.0022         0.0194         0.0000         0.0000         0.0000         0.0000         0           Dadra & Nagar         0.0622         0.0031         0.0591         0.0072         0.0056         0.0129         22           Haveli         4         Daman & Diu         0.0181         0.0012         0.0169         0.0145         0.0019         0.0164         97           5         Lakshadweep         0.0105         0.0070         0.0035         0.0000         0.0023         0.0023         0.0023         67           6         Puducherry         0.1893         0.0190         0.1703         0.1237         0.0293         0.1530         90           Total (UTs)         0.6100         0.0500         0.560	29		2.0403		1.9954			1.1331	57
Total (States)         432.11         34.55         397.60         222.21         22.66         244.85         62           Union Territories         1         Andaman & Nicobar         0.3080         0.0216         0.2865         0.0006         0.0121         0.0127         4.44           2         Chandigarh         0.0216         0.0022         0.0194         0.0000         0.0000         0.0000         0           Dadra & Nagar         0.0622         0.0031         0.0591         0.0072         0.0056         0.0129         22           3         Haveli         0.0181         0.0012         0.0169         0.0145         0.0019         0.0164         97           5         Lakshadweep         0.0105         0.0070         0.0035         0.0000         0.0023         0.0023         67           6         Puducherry         0.1893         0.0190         0.1703         0.1237         0.0293         0.1530         90           Total (UTs)         0.6100         0.0500         0.5600         0.1500         0.0500         0.2000         36           Grand Total         432.7200         34.6000         398.1600         222.360         22.7100         245.050         62     <	30	West Bengal	29.2511	2.6688	26.5823	9.7195		10.6926	40
1         Andaman & Nicobar         0.3080         0.0216         0.2865         0.0006         0.0121         0.0127         4.44           2         Chandigarh         0.0216         0.0022         0.0194         0.0000         0.0000         0.0000         0           Dadra & Nagar         0.0622         0.0031         0.0591         0.0072         0.0056         0.0129         22           3         Haveli         0.0181         0.0012         0.0169         0.0145         0.0019         0.0164         97           5         Lakshadweep         0.0105         0.0070         0.0035         0.0000         0.0023         0.0023         67           6         Puducherry         0.1893         0.0190         0.1703         0.1237         0.0293         0.1530         90           Total (UTs)         0.6100         0.0500         0.5600         0.1500         0.0500         0.2000         36           Grand Total         432.7200         34.6000         398.1600         222.360         22.7100         245.050         62									
2         Chandigarh         0.0216         0.0022         0.0194         0.0000         0.0000         0.0000         0.0000         0           Dadra & Nagar         0.0622         0.0031         0.0591         0.0072         0.0056         0.0129         22           Haveli         0.0181         0.0012         0.0169         0.0145         0.0019         0.0164         97           Lakshadweep         0.0105         0.0070         0.0035         0.0000         0.0023         0.0023         67           Puducherry         0.1893         0.0190         0.1703         0.1237         0.0293         0.1530         90           Total (UTs)         0.6100         0.0500         0.5600         0.1500         0.0500         0.2000         36           Grand Total         432.7200         34.6000         398.1600         222.360         22.7100         245.050         62		<b>Union Territories</b>							
2         Chandigarh         0.0216         0.0022         0.0194         0.0000         0.0000         0.0000         0.0000         0           Dadra & Nagar         0.0622         0.0031         0.0591         0.0072         0.0056         0.0129         22           Haveli         0.0181         0.0012         0.0169         0.0145         0.0019         0.0164         97           Lakshadweep         0.0105         0.0070         0.0035         0.0000         0.0023         0.0023         67           Puducherry         0.1893         0.0190         0.1703         0.1237         0.0293         0.1530         90           Total (UTs)         0.6100         0.0500         0.5600         0.1500         0.0500         0.2000         36           Grand Total         432.7200         34.6000         398.1600         222.360         22.7100         245.050         62	1		0.3080	0.0216	0.2865	0.0006	0.0121	0.0127	4.44
Dadra & Nagar         0.0622         0.0031         0.0591         0.0072         0.0056         0.0129         22           4 Daman & Diu         0.0181         0.0012         0.0169         0.0145         0.0019         0.0164         97           5 Lakshadweep         0.0105         0.0070         0.0035         0.0000         0.0023         0.0023         67           6 Puducherry         0.1893         0.0190         0.1703         0.1237         0.0293         0.1530         90           Total (UTs)         0.6100         0.0500         0.5600         0.1500         0.0500         0.2000         36           Grand Total         432.7200         34.6000         398.1600         222.360         22.7100         245.050         62	2		0.0216						
3         Haveli         0.0181         0.0012         0.0169         0.0145         0.0019         0.0164         97           5         Lakshadweep         0.0105         0.0070         0.0035         0.0000         0.0023         0.0023         67           6         Puducherry         0.1893         0.0190         0.1703         0.1237         0.0293         0.1530         90           Total (UTs)         0.6100         0.0500         0.5600         0.1500         0.0500         0.2000         36           Grand Total         432.7200         34.6000         398.1600         222.360         22.7100         245.050         62				0.0031					22
4         Daman & Diu         0.0181         0.0012         0.0169         0.0145         0.0019         0.0164         97           5         Lakshadweep         0.0105         0.0070         0.0035         0.0000         0.0023         0.0023         67           6         Puducherry         0.1893         0.0190         0.1703         0.1237         0.0293         0.1530         90           Total (UTs)         0.6100         0.0500         0.5600         0.1500         0.0500         0.2000         36           Grand Total         432.7200         34.6000         398.1600         222.360         22.7100         245.050         62	3	_							
5         Lakshadweep         0.0105         0.0070         0.0035         0.0000         0.0023         0.0023         67           6         Puducherry         0.1893         0.0190         0.1703         0.1237         0.0293         0.1530         90           Total (UTs)         0.6100         0.0500         0.5600         0.1500         0.0500         0.2000         36           Grand Total         432.7200         34.6000         398.1600         222.360         22.7100         245.050         62			0.0181	0.0012	0.0169	0.0145	0.0019	0.0164	97
6         Puducherry         0.1893         0.0190         0.1703         0.1237         0.0293         0.1530         90           Total (UTs)         0.6100         0.0500         0.5600         0.1500         0.0500         0.2000         36           Grand Total         432.7200         34.6000         398.1600         222.360         22.7100         245.050         62									
Total (UTs)         0.6100         0.0500         0.5600         0.1500         0.0500         0.2000         36           Grand Total         432.7200         34.6000         398.1600         222.360         22.7100         245.050         62		4							
Grand Total 432.7200 34.6000 398.1600 222.360 22.7100 245.050 62		·							
						0	·	0	

<sup>\*</sup> Note: Net ground water availability in Sikkim has been estimated based on spring discharge and is not reflected in the corresponding total annual replenishable resource. This results in a difference of 0.044 bcm in the State Total and Grand Total.